

Title (en)  
Safety shield having spring tether

Title (de)  
Schutzschild mit federnder Anbindevorrichtung

Title (fr)  
Ecran de protection avec un câble de retenue élastique

Publication  
**EP 0702972 B1 20020925 (EN)**

Application  
**EP 95305147 A 19950724**

Priority  
US 29657594 A 19940826

Abstract (en)  
[origin: US5423766A] A safety shield is provided for an elongate needle cannula having a proximal end and a sharply pointed distal tip. The safety shield includes an anchor fixedly disposed near the proximal end of the needle cannula. The safety shield further includes a tip guard that is slidably movable along the needle cannula from a proximal position near the anchor to a distal position where the tip guard protectively surrounds the distal tip of the needle cannula. An elongate spring tether formed from a resiliently deflectable material has a proximal end connected to the anchor and a distal end connected to the tip guard. The spring tether is deflected into a loop about an axis extending orthogonal to the needle cannula when the tip guard is in the proximal position. The spring tether has a length which permits the tip guard to slide into its distal position without sliding completely of the distal end of the needle cannula. Resiliency of the spring tether keeps the tip guard in its proximal position. However, after sufficient manually generated movement of the tip guard in a distal direction, the resiliency of the spring tether will propel the tip guard into its distal position for safely shielding the tip of the needle cannula.

IPC 1-7  
**A61M 5/32**

IPC 8 full level  
**A61M 5/32** (2006.01)

CPC (source: EP US)  
**A61M 5/3275** (2013.01 - EP US); **A61M 2005/325** (2013.01 - EP US)

Cited by  
US6595955B2; EP1707230B1

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**US 5423766 A 19950613**; CA 2156995 A1 19960227; CA 2156995 C 19990223; DE 69528330 D1 20021031; DE 69528330 T2 20030515; EP 0702972 A1 19960327; EP 0702972 B1 20020925; ES 2183856 T3 20030401; JP 2781750 B2 19980730; JP H0871151 A 19960319

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